

WHAT IS CLAIMED:

1. A system for removably mounting a part in a housing, the system comprising:

a mounting surface inside the housing;

at least one resiliently deformable securing element for securing the part
5 inside the housing by applying a force causing the part to be secured

against the mounting surface.

2. The system of claim 1 wherein the mounting surface comprises:

opposing shoulders inside the housing for supporting a substantially planar
10 part.

3. The system of claim 1 wherein the securing element is in direct contact with the

part and a second structure in the housing.

- 15 4. The system of claim 2 wherein the part comprises a printed circuit board.

5. The system of claim 2 wherein the securing element comprises an elongate

elastomeric material.

- 20 6. The system of claim 2 wherein the securing element comprises a tubular element.

7. An assembly for mounting a circuit board in a medical instrument housing,
comprising:

a housing;

a circuit board;

5 at least one deformable securing element that can removably secure the circuit
board inside the housing so that the circuit board rests on mounting
surfaces disposed in the housing and comprising a pair of shoulders; and
the deformable securing element being adjacent to the printed circuit board.

10 8. The assembly housing of claim 7 wherein the deformable securing element
comprises an elongate elastomeric material.

9. An assembly for an endoscope, the assembly comprising:

15 a mounting surface on an interior portion of a proximal end portion of the
endoscope;

a substantially planar part disposed on the mounting surface; and

at least one resiliently deformable securing element that applies a force to
removably secure the part on the mounting surface and provide protection

20 against shock.

10. The assembly of claim 9 wherein the mounting surface is a pair of opposing shoulders disposed oppositely along surfaces of the interior portion of the endoscope.

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11. The instrument housing of claim 9 wherein the substantially planar part is a printed circuit board.

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12. The instrument housing of claim 9 wherein the endoscope includes a solid-state lighting system.

13. The instrument housing of claim 9 wherein the endoscope includes solid-state image sensor.

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14. A method for removably securing a part in a medical instrument housing comprising the steps of:

providing a hollow instrument housing having an internal mounting surface;
inserting the part in the housing so that it is disposed on the mounting surface;
20 providing a deformable securing element;
compressing the securing element; and
arranging the securing element to secure the part against the mounting surface,
part being removably secured by the force from the deformation of the
securing element.

15. The method of claim 14 wherein the part is inserted in an endoscope.

16. The method of claim 14 wherein the part is a circuit board.

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17. The method of claim 15 wherein the endoscope includes a solid-state image
sensor.

18. The method of claim 15 wherein the endoscope includes a solid-state lighting
system.

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19. The method of claim 15 wherein the mounting surface comprises a pair of
shoulders oppositely disposed along interior surfaces of the housing.

20. The method of claim 17 wherein the endoscope includes a solid-state lighting
system.

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